

# Isabelle Sagnes

## List of Publications by Year in descending order

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673  
papers

17,330  
citations

18887

64  
h-index

26792

111  
g-index

677  
all docs

677  
docs citations

677  
times ranked

11689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon-number entanglement generated by sequential excitation of a two-level atom. Nature Photonics, 2022, 16, 374-379.	15.6	17
2	10 Gbit s <sup>-1</sup> Free Space Data Transmission at 9 $\mu$ m Wavelength With Unipolar Quantum Optoelectronics. Laser and Photonics Reviews, 2022, 16, .	4.4	35
3	Metamaterial engineering for optimized photon absorption in unipolar quantum devices. Optics Express, 2022, 30, 20515.	1.7	3
4	Gap solitons in a one-dimensional driven-dissipative topological lattice. Nature Physics, 2022, 18, 678-684.	6.5	40
5	Few-photon all-optical phase rotation in a quantum-well micropillar cavity. Nature Photonics, 2022, 16, 566-569.	15.6	13
6	Manipulation of temporal localized structures in a vertical external-cavity surface-emitting laser with optical feedback. Optics Letters, 2021, 46, 1109.	1.7	4
7	Hong-Ou-Mandel Interference with Imperfect Single Photon Sources. Physical Review Letters, 2021, 126, 063602.	2.9	32
8	Measuring Topological Invariants in a Polaritonic Analog of Graphene. Physical Review Letters, 2021, 126, 127403.	2.9	13
9	Harmonic generation with multi-layer dielectric metasurfaces. Nanophotonics, 2021, 10, 1837-1843.	2.9	21
10	Bright Polarized Single-Photon Source Based on a Linear Dipole. Physical Review Letters, 2021, 126, 233601.	2.9	65
11	Semi-Dirac transport and localization in polaritonic graphene. , 2021, , .		0
12	Relaxation mechanism of GaP grown on 001 Si substrates: influence of defects on the growth of AlGaP layers on GaP/Si templates. Philosophical Magazine, 2021, 101, 2189-2199.	0.7	1
13	280 GHz Radiation Source Driven by a 1064nm Continuous-Wave Dual-Frequency Vertical External Cavity Semiconductor Laser. , 2021, , .		3
14	Two-Photon Interference with Bright Remote Quantum Dot Sources. , 2021, , .		0
15	Progress on a Highly Compact Cesium CPT Clock Based on a Dual-Frequency VECSEL. , 2021, , .		2
16	Chiral emission induced by optical Zeeman effect in polariton micropillars. Physical Review Research, 2021, 3, .	1.3	9
17	Slow propagation of 2 $\mu$ m GHz acoustical waves in a suspended GaAs phononic waveguide on insulator. Applied Physics Letters, 2020, 117, .	1.5	7
18	Fiber-integrated microcavities for efficient generation of coherent acoustic phonons. Applied Physics Letters, 2020, 117, 183102.	1.5	12

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19	Semi-Dirac Transport and Anisotropic Localization in Polariton Honeycomb Lattices. <i>Physical Review Letters</i> , 2020, 125, 186601.	2.9	29
20	Reduced Lasing Thresholds in GeSn Microdisk Cavities with Defect Management of the Optically Active Region. <i>ACS Photonics</i> , 2020, 7, 2713-2722.	3.2	42
21	Direct observation of photonic Landau levels and helical edge states in strained honeycomb lattices. <i>Light: Science and Applications</i> , 2020, 9, 144.	7.7	38
22	Parametric instability in coupled nonlinear microcavities. <i>Physical Review A</i> , 2020, 102, .	1.0	15
23	Sequential generation of linear cluster states from a single photon emitter. <i>Nature Communications</i> , 2020, 11, 5501.	5.8	53
24	Deterministic assembly of a charged-quantum-dot micropillar cavity device. <i>Physical Review B</i> , 2020, 102, .	1.1	7
25	Multi-orbital tight binding model for cavity-polariton lattices. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 315402.	0.7	13
26	Emergence of criticality through a cascade of delocalization transitions in quasiperiodic chains. <i>Nature Physics</i> , 2020, 16, 832-836.	6.5	64
27	Ultra-low-threshold continuous-wave and pulsed lasing in tensile-strained GeSn alloys. <i>Nature Photonics</i> , 2020, 14, 375-382.	15.6	145
28	Optimal architecture for diamond-based wide-field thermal imaging. <i>AIP Advances</i> , 2020, 10, .	0.6	5
29	Reproducibility of High-Performance Quantum Dot Single-Photon Sources. <i>ACS Photonics</i> , 2020, 7, 1050-1059.	3.2	44
30	Equalization of pulse timings in an excitable microlaser system with delay. <i>Physical Review Research</i> , 2020, 2, .	1.3	11
31	Cavity-based photoconductive sources for real-time terahertz imaging. <i>Photonics Research</i> , 2020, 8, 858.	3.4	11
32	Gallium phosphide on insulator photonics enabled by micro-transfer printing. , 2020, , .		4
33	Optimization of laser dynamics for active stabilization of DF-VECSELs dedicated to cesium CPT clocks. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1196.	0.9	5
34	Sequential Generation of Linear Cluster States from a Single Photon Emitter. , 2020, , .		0
35	Semiconductor quantum plasmons for high frequency thermal emission. <i>Nanophotonics</i> , 2020, 10, 607-615.	2.9	1
36	Quantum Engineering of Plasmon Modes. , 2020, , .		0

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37	Generation of non-classical light in a photon-number superposition. Nature Photonics, 2019, 13, 803-808.	15.6	39
38	Third Order Dispersion in Time-Delayed Systems. Physical Review Letters, 2019, 123, 043902.	2.9	42
39	Type-III and Tilted Dirac Cones Emerging from Flat Bands in Photonic Orbital Graphene. Physical Review X, 2019, 9, .	2.8	72
40	Gallium Phosphide as a Piezoelectric Platform for Quantum Optomechanics. Physical Review Letters, 2019, 123, 163602.	2.9	15
41	Observation of Photonic Landau Levels in Strained Honeycomb Lattices. , 2019, , .		1
42	Third Order Dispersion in Optical Time Delayed Systems: The Case of Mode-Locked Vertical External-Cavity Surface-Emitting Lasers. , 2019, , .		0
43	Optically Controlling the Emission Chirality of Microlasers. , 2019, , .		0
44	Ultra-Low Threshold CW Lasing in Tensile Strained GeSn Microdisk Cavities. , 2019, , .		0
45	Nonlinear Polariton Fluids in a Flatband Reveal Discrete Gap Solitons. Physical Review Letters, 2019, 123, 113901.	2.9	39
46	III-V/Silicon Hybrid Non-linear Nanophotonics in the Context of On-Chip Optical Signal Processing and Analog Computing. Frontiers in Physics, 2019, 7, .	1.0	4
47	Optically controlling the emission chirality of microlasers. Nature Photonics, 2019, 13, 283-288.	15.6	109
48	Overcomplete quantum tomography of a path-entangled two-photon state. Physical Review A, 2019, 99, .	1.0	3
49	Cavity based THz photoconductive switch: towards high average power. , 2019, , .		0
50	Temporal Localized Structures in Mode-Locked Vertical External-Cavity Surface-Emitting Lasers. , 2019, , .		0
51	Topological Interface States in a Polariton SSH Lattice: Linear and Nonlinear Regimes. , 2019, , .		0
52	Polarization- and diffraction-controlled second-harmonic generation from semiconductor metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E55.	0.9	20
53	High-speed THz spectroscopic imaging at ten kilohertz pixel rate with amplitude and phase contrast. Optics Express, 2019, 27, 10866.	1.7	11
54	Semiconductor disk laser in bi-frequency operation by laser ablation micromachining of a laser mirror. Optics Express, 2019, 27, 22316.	1.7	5

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55	Nonlinear response of a gallium phosphide nanopatterned photonic waveguide in the CW regime. Optics Letters, 2019, 44, 2823.	1.7	3
56	Orbital angular momentum bistability in a microlaser. Optics Letters, 2019, 44, 4531.	1.7	7
57	Brillouin scattering in hybrid optophononic Bragg micropillar resonators at 300â€‰GHz. Optica, 2019, 6, 854.	4.8	15
58	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. Optica, 2019, 6, 1471.	4.8	30
59	Generating multi-photon entangled states from a single deterministic single-photon source. , 2019, , .		1
60	Interfacing solid-state single-photon sources and integrated photonics circuits: high rate three-photon coalescence. , 2019, , .		0
61	Generation of quantum light in a photon-number superposition. , 2019, , .		0
62	A Compact and scalable source for entangled photonic linear cluster states. , 2019, , .		0
63	Upscaling the output power of a photo-mixing THz source driven by a dual-frequency laser operating on two transverse modes. , 2019, , .		0
64	Industrial Low noise tunable integrated semiconductor laser: Dynamic instability and route to single frequency operation. , 2019, , .		0
65	Photonic crystal nanobeam cavities with optical resonances around 800â€‰nm. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1823.	0.9	1
66	Improvement of the Stabilization Loops Performances of a DF-VECSEL Dedicated to Cesium CPT Clocks Application by Fully-Correlated Multi-Mode Pumping. , 2019, , .		0
67	Towards transverse multiplexing of THz photo-driven emitters driven by a dual-transverse-mode dual-frequency laser. , 2019, , .		0
68	Multi-Terahertz Sideband Generation on an Optical Telecom Carrier with a Quantum Cascade Laser. ACS Photonics, 2018, 5, 890-896.	3.2	4
69	Nonlinear Polariton Localization in Strongly Coupled Driven-Dissipative Microcavities. ACS Photonics, 2018, 5, 95-99.	3.2	7
70	Strategies for noise reduction of a dual-frequency VECSEL dedicated to cesium CPT clocks. , 2018, , .		0
71	Scaling rules in optomechanical semiconductor micropillars. Physical Review A, 2018, 98, .	1.0	5
72	Unstable and stable regimes of polariton condensation. Optica, 2018, 5, 1163.	4.8	47

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73	THz Emission Driven by a Dual-Transverse-Modes Laser. , 2018, , .		0
74	Towards wireless THz communications: Photonic-driven source and transistor-based detector. , 2018, , .		0
75	Resonant intersubband polariton-LO phonon scattering in an optically pumped polaritonic device. Applied Physics Letters, 2018, 112, .	1.5	17
76	Accurate measurement of a 96% input coupling into a cavity using polarization tomography. Applied Physics Letters, 2018, 112, .	1.5	7
77	Delayed formation of coherence in the emission dynamics of high-Q nanolasers. Optica, 2018, 5, 395.	4.8	11
78	Pulse train interaction and control in a microcavity laser with delayed optical feedback. Optics Letters, 2018, 43, 3013.	1.7	15
79	Nonlinear gallium phosphide nanoscale photonics [Invited]. Photonics Research, 2018, 6, B43.	3.4	27
80	Noise Investigation of a Dual-Frequency VECSEL for Application to Cesium Clocks. Journal of Lightwave Technology, 2018, 36, 3882-3891.	2.7	18
81	Optical cavity mode dynamics and coherent phonon generation in high- $Q$ micropillar resonators. Physical Review A, 2018, 98, .	1.0	5
82	High-power tunable low-noise coherent source at $106\frac{1}{4}\mu\text{m}$ based on a surface-emitting semiconductor laser. Applied Optics, 2018, 57, 5224.	0.9	5
83	Germanium microlasers on metallic pedestals. APL Photonics, 2018, 3, .	3.0	46
84	Fully "correlated multi" mode pumping for low "noise dual" frequency VECSELs. Optics Express, 2018, 26, 26217.	1.7	10
85	Solving thermal issues in tensile-strained Ge microdisks. Optics Express, 2018, 26, 28376.	1.7	6
86	Temporal localized structures in mode-locked vertical external-cavity surface-emitting lasers. Optics Letters, 2018, 43, 5367.	1.7	15
87	Lasing in optically induced gap states in photonic graphene. , 2018, 5, .		6
88	Reducing phonon-induced decoherence of solid-state artificial atoms with cavity quantum electrodynamics. , 2018, , .		0
89	Creation of Semi-Dirac Photons Through Topological Phase Transitions in Photonic Honeycomb Lattices. , 2018, , .		0
90	Tunable dual-frequency laser source for coherent population trapping cesium atomic clocks. , 2018, , .		0

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91	A solid-state single photon filter. , 2018, , .		0
92	Coherent and Tunable THz Emission Driven by an Integrated III-V Semiconductor Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-11.	1.9	17
93	Sub-wavelength THz resonators for ultra-fast THz detection. , 2017, , .		1
94	Orbital Edge States in a Photonic Honeycomb Lattice. Physical Review Letters, 2017, 118, 107403.	2.9	79
95	Highly coherent modeless broadband VECSEL. Proceedings of SPIE, 2017, , .	0.8	0
96	Industrial integration of high coherence tunable single frequency semiconductor lasers based on VECSEL technology for scientific instrumentation in NIR and MIR. , 2017, , .		1
97	Surface emitting thermally assisted polaritonic light-emitting device. Applied Physics Letters, 2017, 110, .	1.5	4
98	Active demultiplexing of single photons from a solid-state source. Laser and Photonics Reviews, 2017, 11, 1600297.	4.4	51
99	Monolithic echo-less photoconductive switches as a high-resolution detector for terahertz time-domain spectroscopy. Applied Physics Letters, 2017, 110, .	1.5	18
100	Hybrid indium phosphide-on-silicon nanolaser diode. Nature Photonics, 2017, 11, 297-300.	15.6	176
101	A solid-state single-photon filter. Nature Nanotechnology, 2017, 12, 663-667.	15.6	66
102	Quantum-dot-based quantum devices (Conference Presentation). , 2017, , .		0
103	Low-noise III-V metasurface based semiconductor vortex laser and rotational Doppler velocimetry. , 2017, , .		0
104	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. Physical Review Letters, 2017, 118, 130503.	2.9	155
105	Lasing in topological edge states of a one-dimensional lattice. Nature Photonics, 2017, 11, 651-656.	15.6	625
106	Asymmetric noise sensitivity of pulse trains in an excitable microlaser with delayed optical feedback. Physical Review A, 2017, 96, .	1.0	13
107	CMOS-Compatible Contacts to n-InP. IEEE Transactions on Electron Devices, 2017, 64, 4408-4414.	1.6	13
108	Dissipative Soliton Fiber Laser Mode-Locked With a Resonant InGaAs-Based Saturable Absorber Mirror. IEEE Photonics Technology Letters, 2017, 29, 1772-1775.	1.3	2

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109	Midinfrared Ultrastrong Light-Matter Coupling for THz Thermal Emission. ACS Photonics, 2017, 4, 2550-2555.	3.2	33
110	Measuring topological invariants from generalized edge states in polaritonic quasicrystals. Physical Review B, 2017, 95, .	1.1	70
111	Nanostructured diode for infrared photodetection through nondegenerate two-photon absorption. Applied Physics Letters, 2017, 111, 041102.	1.5	11
112	Cooperative Lamb shift and superradiance in an optoelectronic device. New Journal of Physics, 2017, 19, 043006.	1.2	10
113	Phase formation sequence in the Ti/InP system during thin film solid-state reactions. Journal of Applied Physics, 2017, 121, .	1.1	8
114	Probing a Dissipative Phase Transition via Dynamical Optical Hysteresis. Physical Review Letters, 2017, 118, 247402.	2.9	142
115	Reducing Phonon-Induced Decoherence in Solid-State Single-Photon Sources with Cavity Quantum Electrodynamics. Physical Review Letters, 2017, 118, 253602.	2.9	74
116	Micropillar Resonators for Optomechanics in the Extremely High 19-95-GHz Frequency Range. Physical Review Letters, 2017, 118, 263901.	2.9	63
117	Noise measurement and modeling of a dual-frequency VECSEL at cesium clock wavelength. , 2017, , .		1
118	Monolithic echo-less photoconductive switches for high-resolution terahertz time-domain spectroscopy. , 2017, , .		0
119	Tomography of the optical polarization rotation induced by a single quantum dot in a cavity. Optica, 2017, 4, 1326.	4.8	12
120	Generation of new coherent light states using III-V semiconductor laser technology: VORTEX, continuum, dual frequency for THz and integration. , 2017, , .		0
121	Polariton lasing in the edge states of an orbital SSH chain. , 2017, , .		0
122	Compensation of the residual linear anisotropy of phase in a vertical-external-cavity-surface-emitting laser for spin injection. Optics Letters, 2017, 42, 651.	1.7	14
123	Light-matter interfacing with quantum dots: a polarization tomography approach. , 2017, , .		0
124	Hybrid III-V on SOI nanolaser diodes. , 2017, , .		0
125	Single photon Fock state filtering with an artificial atom. , 2017, , .		0
126	Overcoming phonon-induced decoherence in single-photon sources with cavity quantum electrodynamics. , 2017, , .		0



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127	Generation of new spatial and temporal coherent states using VECSEL technology: VORTEX, high order Laguerre-Gauss mode, continuum source. , 2017, , .		1
128	Single frequency free-running low noise compact extended-cavity semiconductor laser at high power level. , 2017, , .		0
129	Design and properties of high-power highly-coherent single-frequency VECSEL emitting in the near- to mid-IR for photonic applications. , 2017, , .		0
130	External Control of Dissipative Coupling in a Heterogeneously Integrated Photonic Crystalâ€”SOI Waveguide Optomechanical System. Photonics, 2016, 3, 52.	0.9	0
131	Superharmonic resonances in a two-dimensional non-linear photonic-crystal nano-electro-mechanical oscillator. Applied Physics Letters, 2016, 108, 163102.	1.5	6
132	Coherent THz generation based on a novel dual-frequency III-V semiconductor laser. , 2016, , .		0
133	Direct band gap germanium in high Q-factor cavities. , 2016, , .		0
134	Dark current investigation in thin P-i-N InGaAs photodiodes for nano-resonators. Journal of Applied Physics, 2016, 120, 084501.	1.1	24
135	Vortex Laser based on III-V semiconductor metasurface: direct generation of coherent Laguerre-Gauss modes carrying controlled orbital angular momentum. Scientific Reports, 2016, 6, 38156.	1.6	46
136	Towards strong light-matter coupling at the single-resonator level with sub-wavelength mid-infrared nano-antennas. Applied Physics Letters, 2016, 109, .	1.5	21
137	Echo-less photoconductive antenna sources for high-resolution terahertz time-domain spectroscopy. , 2016, , .		0
138	Phase formation in the Ni/nâ€”InP contacts for heterogeneous III/V-silicon photonic integration. Microelectronic Engineering, 2016, 156, 86-90.	1.1	12
139	Local probing of the interfacial strength in InP/Si substructures. MRS Advances, 2016, 1, 779-784.	0.5	0
140	Scalable performance in solid-state single-photon sources. Optica, 2016, 3, 433.	4.8	106
141	(Invited) Direct Band Gap Germanium. ECS Transactions, 2016, 75, 177-184.	0.3	1
142	Metallurgical studies of integrable Ni-based contacts for their use in IIIâ€”V/Si heterogeneous photonics devices. , 2016, , .		4
143	Coherent continuous-wave dual-frequency high-Q external-cavity semiconductor laser for GHzâ€”THz applications. Optics Letters, 2016, 41, 3751.	1.7	28
144	Stochastic precession of the polarization in a polariton laser. Physical Review B, 2016, 93, .	1.1	13

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145	Bosonic Condensation and Disorder-Induced Localization in a Flat Band. <i>Physical Review Letters</i> , 2016, 116, 066402.	2.9	246
146	Spatiotemporal Chaos Induces Extreme Events in an Extended Microcavity Laser. <i>Physical Review Letters</i> , 2016, 116, 013901.	2.9	71
147	Phase-Controlled Bistability of a Dark Soliton Train in a Polariton Fluid. <i>Physical Review Letters</i> , 2016, 117, 217401.	2.9	39
148	Spike latency and response properties of an excitable micropillar laser. <i>Physical Review E</i> , 2016, 94, 042219.	0.8	35
149	Interaction-induced hopping phase in driven-dissipative coupled photonic microcavities. <i>Nature Communications</i> , 2016, 7, 11887.	5.8	74
150	Towards contact integration for III-V/Silicon heterogeneous photonics devices. , 2016, , .		4
151	Coherent manipulation of a solid-state artificial atom with few photons. <i>Nature Communications</i> , 2016, 7, 11986.	5.8	55
152	Tensile-strained germanium microdisks with circular Bragg reflectors. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	20
153	Sub-nanometrically resolved chemical mappings of quantum-cascade laser active regions. <i>Semiconductor Science and Technology</i> , 2016, 31, 055017.	1.0	6
154	High Q factor InP photonic crystal nanobeam cavities on silicon wire waveguides. <i>Optics Letters</i> , 2016, 41, 579.	1.7	18
155	Echo-Less Photoconductive Antenna Sources for High-Resolution Terahertz Time-Domain Spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 20-25.	2.0	16
156	Generation of new spatial and temporal coherent light states using III-V semiconductor laser technology: VORTEX, continuum, dual frequency for THz. , 2016, , .		1
157	Locally measuring the adhesion of InP directly bonded on sub-100 nm patterned Si. <i>Nanotechnology</i> , 2016, 27, 115707.	1.3	3
158	Direct Band Gap Germanium Microdisks Obtained with Silicon Nitride Stressor Layers. <i>ACS Photonics</i> , 2016, 3, 443-448.	3.2	54
159	Theoretical and experimental investigation of optically spin-injected VECSEL. , 2016, , .		2
160	Industrial integration of high coherence tunable VECSEL in the NIR and MIR. , 2016, , .		1
161	Near-optimal single-photon sources in the solid state. <i>Nature Photonics</i> , 2016, 10, 340-345.	15.6	858
162	Demonstration of efficient spin injection in a CW VECSEL at RT and dynamic control of its polarization state. , 2016, , .		1

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163	Echo-less Photoconductive Antenna sources for High-resolution Terahertz Time-domain Spectroscopy. , 2016, , .		0
164	Towards strong light-matter coupling at the single-resonator level with sub-wavelength mid-infrared antennas. , 2016, , .		0
165	Nonequilibrium polariton condensate in a magnetic field. Physical Review B, 2015, 91, .	1.1	29
166	Cavity-enhanced two-photon interference using remote quantum dot sources. Physical Review B, 2015, 92, .	1.1	60
167	Superradiant Emission from a Collective Excitation in a Semiconductor. Physical Review Letters, 2015, 115, 187402.	2.9	51
168	Electrical excitation of superradiant intersubband plasmons. Applied Physics Letters, 2015, 107, .	1.5	9
169	Integrated III-V Photonic Crystal " Si waveguide platform with tailored optomechanical coupling. Scientific Reports, 2015, 5, 16526.	1.6	19
170	Realization of an all optical exciton-polariton router. Applied Physics Letters, 2015, 107, .	1.5	66
171	Bright phonon-tuned single-photon source. , 2015, , .		0
172	Elaboration of Ni/InP contacts: Solid state reactions and associated mechanisms. , 2015, , .		1
173	Oxide-Free Bonding of III-V-Based Material on Silicon and Nano-Structuration of the Hybrid Waveguide for Advanced Optical Functions. Photonics, 2015, 2, 1054-1064.	0.9	5
174	Spontaneous mirror-symmetry breaking in two coupled nanolasers. , 2015, , .		0
175	Pulse-to-pulse jitter measurement by photon correlation in high- $\hat{I}^2$ lasers. Applied Physics Letters, 2015, 106, .	1.5	3
176	Macroscopic rotation of photon polarization induced by a single spin. Nature Communications, 2015, 6, 6236.	5.8	73
177	Temporal summation in a neuromimetic micropillar laser. Optics Letters, 2015, 40, 5690.	1.7	40
178	Spontaneous mirror-symmetry breaking in a photonic molecule. , 2015, , .		0
179	Self-mixing in low-noise semiconductor vortex laser: detection of a rotational Doppler shift in backscattered light. Optics Letters, 2015, 40, 5778.	1.7	15
180	All-Around SiN Stressor for High and Homogeneous Tensile Strain in Germanium Microdisk Cavities. Advanced Optical Materials, 2015, 3, 353-358.	3.6	72

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181	Acoustic Black Hole in a Stationary Hydrodynamic Flow of Microcavity Polaritons. Physical Review Letters, 2015, 114, 036402.	2.9	114
182	Spontaneous mirror-symmetry breaking in coupled photonic-crystal nanolasers. Nature Photonics, 2015, 9, 311-315.	15.6	142
183	Evaluation of the noise properties of a dual-frequency VECSEL for compact Cs atomic clocks. Proceedings of SPIE, 2015, , .	0.8	0
184	Spin-Orbit Coupling for Photons and Polaritons in Microstructures. Physical Review X, 2015, 5, .	2.8	131
185	Accurate measurement of the residual birefringence in VECSEL: Towards understanding of the polarization behavior under spin-polarized pumping. Optics Express, 2015, 23, 9573.	1.7	23
186	Tensile-strained germanium microdisk electroluminescence. Optics Express, 2015, 23, 6722.	1.7	20
187	Neuromimetic dynamics in a micropillar laser with saturable absorber. , 2015, , .		1
188	Edge states in polariton honeycomb lattices. 2D Materials, 2015, 2, 034012.	2.0	58
189	Bright Phonon-Tuned Single-Photon Source. Nano Letters, 2015, 15, 6290-6294.	4.5	34
190	Highly coherent modeless broadband semiconductor laser. Optics Letters, 2015, 40, 4301.	1.7	11
191	Radiatively Broadened Incandescent Sources. ACS Photonics, 2015, 2, 1663-1668.	3.2	15
192	Quantum dot based quantum optics. , 2015, , .		0
193	Giant Polarization Rotation Induced by a Single Spin: a Cavity-Based Spin-Photon Interface. , 2015, , .		0
194	High-purity microwave signal from a dual-frequency semiconductor laser for CPT atomic clocks. , 2014, , .		0
195	Vertical-external-cavity surface-emitting laser for THz generation. , 2014, , .		0
196	Ultra-strong light-matter coupling for designer Reststrahlen band. New Journal of Physics, 2014, 16, 043029.	1.2	75
197	Electroluminescent diodes in n-doped germanium with Schottky contacts. , 2014, , .		0
198	Cavity optomechanics with a nonlinear photonic-crystal nanomembrane. , 2014, , .		0

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199	Void-free direct bonding of InP to Si: Advantages of low H-content and ozone activation. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, 021201.	0.6	8
200	Strain engineering in germanium microdisks. , 2014, , .		4
201	Toward a quantum network based on semiconductor quantum dots. , 2014, , .		0
202	Two-photon injection of polaritons in semiconductor microstructures. Optics Letters, 2014, 39, 307.	1.7	10
203	Photonic molecules: tailoring the coupling strength and sign. Optics Express, 2014, 22, 12359.	1.7	42
204	Circuit-tunable sub-wavelength THz resonators: hybridizing optical cavities and loop antennas. Optics Express, 2014, 22, 21302.	1.7	21
205	Thermal management in hybrid InP/silicon photonic crystal nanobeam laser. Optics Express, 2014, 22, 10570.	1.7	18
206	Cavity-Enhanced Real-Time Monitoring of Single-Charge Jumps at the Microsecond Time Scale. Physical Review X, 2014, 4, .	2.8	16
207	Ultrafast all-optical switching and error-free 10 Gbit/s wavelength conversion in hybrid InP-silicon on insulator nanocavities using surface quantum wells. Applied Physics Letters, 2014, 104, .	1.5	42
208	Schottky electroluminescent diodes with n-doped germanium. Applied Physics Letters, 2014, 104, .	1.5	8
209	Industrial integration of high coherence tunable VECSEL in the NIR and MIR. Proceedings of SPIE, 2014, , .	0.8	2
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